STIC Search Report EIC 3600

Scientific and Technical Information Center

STIC Database Tracking Number: 341893

To: Natalie PASS **Location: KNX-5A61** **Art Unit: 3686** **Tuesday, September 7, 2010** **Case Serial Number: 10/712480**	**From: Matthew Hogan** **Location: EIC3600** **KNX 2D08-B** **Phone: (571) 272-6674** **Matthew.Hogan@uspto.gov**

Search Notes

Dear Examiner PASS:

Please find attached the results of your search for the above-referenced case. The search was conducted in Dialog, in EBSCOhost's I & PC Abstract databases, and in ProQuest's Financial Times database, as well as online. All mandatory databases for allowance were searched.

I have listed *potential* references of interest in the opening section of these search results. *However, please be sure to review the entire report*. There may be additional references that you find useful.

If you have any questions about the search, or need a refocus, please do not hesitate to contact me.

Thank you for using the EIC, and we look forward to your next search!

I. Potential References of Interest

** EIC-Searcher identified "potential references of interest" are selected based on the terms/concepts provided in the examiner's search request.*

9/3,K/4 (Item 4 from file: 347)
DIALOG(R)File 347: JAPIO

08197549 **Image available**
EMERGENCY LIFESAVING SYSTEM FOR AUTOMOBILE ACCIDENT

Pub. No.: 2004-310309 [JP 2004310309 A]
Published: November 04, 2004 (20041104)
Inventor: NISHIMOTO TETSUYA
MURAKAMI NARIYUKI
Applicant: JAPAN AUTOMOBILE RESEARCH INST INC
Application No.: 2003-100983 [JP 2003100983]
Filed: April 04, 2003 (20030404)

ABSTRACT

PROBLEM TO BE SOLVED: To provide an emergency lifesaving system for an **automobile** accident for saving a victim as early as possible, and for executing emergency medical treatment/operation by utilizing a **vehicle** device mounted on an **automobile** to shorten a time required for the emergency lifesaving of a victim after an **automobile** accident has occurred, and reporting **personal medical information** for the optimal **medical** treatment to a doctor.

SOLUTION: **Vehicle** data when an accident has occurred are recorded by an onboard device mounted on an **automobile** 1, and the **vehicle data** and **personal information** such as a **victim**'s birth date, age, gender distinct, height, weight, blood type, **medical** history, medicine taking condition, allergic presence/absence, respirator, pulse, family doctor information, complete physical examination information and organ donation intention are transmitted from the **vehicle device** to an emergency **center** 2 by a radio **telephone transmitting** means. The emergency **center** 2 determines the magnitude of the accident, and predictively calculates the injured sites or injury grade by computer simulation and statistical mechanics model, and transmits the information from the **automobile** side and the damage predicted grade information to an ambulance 3 or a hospital 4.

Dialog eLink: Order File History
9/3,K/6 (Item 6 from file: 347)
DIALOG(R)File 347: JAPIO

07722841 **Image available**
SYSTEM FOR MANAGING EMERGENCY ACTIVITY, METHOD THEREOF AND PROGRAM THEREFOR

Pub. No.: 2003-216742 [JP 2003216742 A]
Published: July 31, 2003 (20030731)
Inventor: MATSUO TOSHIYUKI
Applicant: DIGITAL FOUNDATION KK
Application No.: 2002-013402 [JP 200213402]
Filed: January 22, 2002 (20020122)

ABSTRACT

PROBLEM TO BE SOLVED: To enable even a person who does not have sufficient knowledge about a management target area and medical **care** to appropriately and quickly select a fire station and a **medical** institution in accordance with the location and **condition** of an object **person** at a site in need of **medical** treatment when the object person in need of medical treatment appears in the management target area.

SOLUTION: A management **device** 1 installed at an emergency commanding **center** is connected to a **mobile** terminal **device** 3 of an emergency worker through a communication network 2 and also connected to a terminal device of the medical institution 4. The management device... Di01

12/5,K/5 (Item 1 from file: 73)
DIALOG(R)File 73: EMBASE

0079375936 **EMBASE/MEDLINE No:** 2003079593
Application of new technology in improving pre-hospital treatment of trauma patient

Dimopoulou E.; Vagianos C.; Polydorides N.
Department of Topography, Fac. of Rural/Surveying Engineering, NTU of Athens, GR-157 80 Athens, Greece; Department of Architecture, Polytechnic School, University of Patras, Patras, Greece

Author email: efi@survey.ntua.gr
Corresp. Author/Affil: Dimopoulou E.: Department of Topography, Fac. of Rural/Surveying Engineering, NTU of Athens, GR-157 80 Athens, Greece
Corresp. Author Email: efi@survey.ntua.gr

Archives of Hellenic Medicine (Arch. Hell. Med.) (Greece) July 1, 2002 , 19/4 (345-358)
CODEN: AEIAF **ISSN:** 1105-3992
Document Type: Journal ; Review **Record Type:** Abstract
Language: Greek **Summary language:** English; Greek
Number of References: 53

This article focuses on modern technological advancements that relate to pre-hospital treatment of trauma patient and their possible application in Greece. Response time, along with immediate medical care provided to the trauma victims, which are crucial factors in pre-hospital treatment, have been influenced by the explosion of information technology in recent years. Today, by linking major technological advents such as G-PS location systems and wireless communication tools, it is possible to automatically locate wireless callers and transmit critical crash data to the dispatch centers, in order to share information with the appropriate emergency responders in good time. In addition, by integrating emergency communications with traffic management, the location of the accident can be reported along with real-time descriptions of traffic patterns and speeds, thus providing assistance to trauma patients in a much shorter time. Using the new generation of telematics devices, the information transmitted to the dispatch centers may indicate the force of impact and its principle direction, whether the **passengers** were wearing seatbelts details **information** of the type of **vehicles** involved in the accident and the **medical data** of the **victims** allowing the emergency responders to determine the severity of the injury and the type of help they need to provide. On the spot or inside the ambulance, wireless telemedical devices can offer **real-time** communication to the trauma **center**, reducing response time and saving lives by providing appropriate treatment to the victim as fast as possible. The development of an integrated pre-hospital treatment system linking these modern technologies is primarily a matter of policy initiative. The key is to develop successful and coordinated partnerships between the various medical sectors and the agencies involved (ambulances, dispatch centers, police departments and trauma centers), in order to share infrastructure, reliable information, education and skills.

Medical Descriptors:
* injury
accident prevention; ambulance; device; education; emergency health service ; emergency medicine; emergency treatment; health care delivery; information; injury scale; interpersonal communication; medical care; patient care; patient transport; police; response time; review; skill; technology; telecommunication; treatment planning
SECTION HEADINGS:
Public Health, Social Medicine and Epidemiology
Orthopedic Surgery
Health Policy, Economics and Management

...the new generation of telematics devices, the information transmitted to the dispatch centers may indicate the force of impact and its principle direction, whether the **passengers** were wearing seatbelts details **information** of the type of **vehicles** involved in the accident and the **medical data** of the **victims**

allowing the emergency responders to determine the severity of the injury and the type of help they need to provide. On the spot or inside the ambulance, wireless telemedical devices can offer **real-time** communication to the trauma **center**, reducing response time and saving lives by providing appropriate treatment to the victim as fast as possible. The development of an integrated pre-hospital treatment...

II. Inventor Search

A. Dialog

File 348:EUROPEAN PATENTS 1978-201035
(c) 2010 European Patent Office
File 349:PCT FULLTEXT 1979-2010/UB=20100902|UT=20100826
(c) 2010 WIPO/Thomson
File 13:BAMP 2010/Sep 03
(c) 2010 Gale/Cengage
File 75:TGG Management Contents(R) 86-2010/Aug W5
(c) 2010 Gale/Cengage
File 95:TEME-Technology & Management 1989-2010/Aug W1
(c) 2010 FIZ TECHNIK
File 647:UBM Computer Fulltext 1988-2010/Aug W5
(c) 2010 UBM, LLC
File 674:Computer News Fulltext 1989-2006/Sep W1
(c) 2006 IDG Communications
File 149:TGG Health&Wellness DB(SM) 1976-2010/Sep W1
(c) 2010 Gale/Cengage
File 444:New England Journal of Med. 1985-2010/Aug W5
(c) 2010 Mass. Med. Soc.
File 129:PHIND(Archival) 1980-2010/Sep W1
(c) 2010 Informa UK Ltd
File 130:PHIND(Daily & Current) 2010/Sep 06
(c) 2010 Informa UK Ltd
File 455:Drug News & Perspectives 1992-2005/Aug
(c) 2005 Prous Science
File 485:Accounting & Tax DB 1971-2010/Aug W5
(c) 2010 ProQuest Info&Learning
File 625:American Banker Publications 1981-2008/Jun 26
(c) 2008 American Banker
File 637:Journal of Commerce 1986-2010/Aug 31
(c) 2010 UBM Global Trade
File 15:ABI/Inform(R) 1971-2010/Sep 06
(c) 2010 ProQuest Info&Learning
File 9:Business & Industry(R) Jul/1994-2010/Sep 03
(c) 2010 Gale/Cengage
File 610:Business Wire 1999-2010/Sep 07
(c) 2010 Business Wire.
File 810:Business Wire 1986-1999/Feb 28
(c) 1999 Business Wire

File 275:Gale Group Computer DB(TM) 1983-2010/Jul 26
(c) 2010 Gale/Cengage
File 624:McGraw-Hill Publications 1985-2010/Sep 03
(c) 2010 McGraw-Hill Co. Inc
File 621:Gale Group New Prod.Annou.(R) 1985-2010/Jul 15
(c) 2010 Gale/Cengage
File 636:Gale Group Newsletter DB(TM) 1987-2010/Sep 03
(c) 2010 Gale/Cengage
File 613:PR Newswire 1999-2010/Sep 07
(c) 2010 PR Newswire Association Inc
File 813:PR Newswire 1987-1999/Apr 30
(c) 1999 PR Newswire Association Inc
File 16:Gale Group PROMT(R) 1990-2010/Sep 03
(c) 2010 Gale/Cengage
File 160:Gale Group PROMT(R) 1972-1989
(c) 1999 The Gale Group
File 634:San Jose Mercury Jun 1985-2010/Sep 04
(c) 2010 San Jose Mercury News
File 148:Gale Group Trade & Industry DB 1976-2010/Sep 03
(c) 2010 Gale/Cengage
File 20:Dialog Global Reporter 1997-2010/Sep 07
(c) 2010 Dialog
File 35:Dissertation Abs Online 1861-2010/Aug
(c) 2010 ProQuest Info&Learning
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
(c) 2002 Gale/Cengage
File 65:Inside Conferences 1993-2010/Sep 06
(c) 2010 BLDSC all rts. reserv.
File 2:INSPEC 1898-2010/Aug W5
(c) 2010 The IET
File 474:New York Times Abs 1969-2010/Sep 07
(c) 2010 The New York Times
File 475:Wall Street Journal Abs 1973-2010/Sep 06
(c) 2010 The New York Times
File 99:Wilson Appl. Sci & Tech Abs 1983-2010/Jun
(c) 2010 The HW Wilson Co.
File 256:TecTrends 1982-2010/Aug W5
(c) 2010 Info.Sources Inc. All rights res.
File 169:Insurance Periodicals 1984-1999/Nov 15
(c) 1999 NILS Publishing Co.
File 5:Biosis Previews(R) 1926-2010/Aug W5
(c) 2010 The Thomson Corporation
File 73:EMBASE 1974-2010/Sep 07
(c) 2010 Elsevier B.V.
File 155:MEDLINE(R) 1950-2010/Sep 03
(c) format only 2010 Dialog

File 34:SciSearch(R) Cited Ref Sci 1990-2010/Aug W5
(c) 2010 The Thomson Corp
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
(c) 2006 The Thomson Corp
File 74:Int.Pharm.Abs 1970-2010/Aug B1
(c) 2010 The Thomson Corporation
File 42:Pharm. News Index 1974-2010/Aug W2
(c) 2010 ProQuest Info&Learning
File 347:JAPIO Dec 1976-2010/May(Updated 100824)
(c) 2010 JPO & JAPIO
File 350:Derwent WPIX 1963-2010/UD=201056
(c) 2010 Thomson Reuters

```
Set     Items   Description
S1       2215   AU=(BALL, W? OR BALL W?)
S2         11   S1 AND EMERGENC? AND MEDICAL AND (INFORMATION OR DATA)
S3         10   S2 FROM 347,348,349,350
S4         10   IDPAT S3 (sorted in duplicate/non-duplicate order)
S5         10   IDPAT S3 (primary/non-duplicate records only)
S6          1   S2 NOT S3
```

5/3,K/1 (Item 1 from file: 350)
DIALOG(R)File 350: Derwent WPIX

0015074427 *Drawing available*
WPI Acc no: 2005-423866/200543
XRPX Acc No: N2005-343977
Wireless key system for providing medical information of vehicle user, has key device including medical information of vehicle user, where information is transferable from telematics unit to call center via wireless network
Patent Assignee: GENERAL MOTORS CORP (GENK)
Inventor: **BALL** W L

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20050107673	A1	20050519	US 2003712480	A	20031113	200543	B

Priority Applications (no., kind, date): US 2003712480 A 20031113

US 20050107673 A1 Patent Details 4

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes

Wireless key system for providing medical information of vehicle user, has key device including medical information of vehicle user, where information is transferable from telematics unit to call center via wireless network Original Titles: System and method for maintaining and providing personal **information** in real time Inventor: **BALL** W L **Alerting Abstract** ...NOVELTY - The system has a key device (120) including stored **medical information** of a vehicle user. A call center (180) is in wireless communication with a telematics unit (130) via a wireless network. The **medical information** is transmitted from a transient storage of a vehicle via a vehicle **data** network to the telematics unit. The **medical information** is transferable from the telematics unit to the call center via the wireless network. DESCRIPTION - An INDEPENDENT CLAIM is also included for a method for providing **medical information** of a vehicle user... ...USE - Used for providing **medical information** of a vehicle user to a **medical** care provider through a mobile vehicle e.g. navigation and roadside assistance... ...ADVANTAGE - The stored **medical information** is transferable from the telematics unit to the call center via the wireless network, thus efficiently providing the **medical information** to an **emergency medical** provider... ...DESCRIPTION OF DRAWINGS - The drawing shows a system for maintaining and communicating personal **information** through a mobile vehicle using a wireless key device... **Title Terms** .../Index Terms/Additional Words: **MEDICAL**; **INFORMATION**; **Class Codes** Original Publication Data by AuthorityArgentina**Publication No.** Inventor name & address:**Ball**, William L... **Original Abstracts:**The invention provides a method and system for communicating a vehicle user's **medical information** stored in **a key** device to **medical** caregivers via a **wireless** communications network. The method comprises receiving vehicle user **medical information** in a **key device**, transmitting the **medical information** from the **key device** to a storage unit within a vehicle and transmitting the stored **medical information** from a **telematics unit** to a call center responsive to an **emergency** event. **Claims:1**. A system for providing **medical information** of a **vehicle user**, comprising:a key device including stored **medical information** of a vehicle user; **a telematics** unit in communication with a vehicle **data** network;a transient memory storage **located** within the vehicle and in communication with the key device and the vehicle **data** network; anda call center in wireless **communication** with the telematics unit via a wireless network, wherein the stored **medical information** is transmitted from the transient storage of the **vehicle via** the vehicle **data** network to the telematics unit, and wherein the **medical information** is transferable from the telematics unit to the **call center** via the wireless network.

III. Text Search Results from Dialog (Full Text dbs)

A. Full-Text Databases – PATENT

File 348:EUROPEAN PATENTS 1978-200950
(c) 2009 European Patent Office
File 349:PCT FULLTEXT 1979-2009/UB=20091210|UT=20091203
(c) 2009 WIPO/Thomson

```
Set     Items   Description
S1    2744758   (PERSON?? OR INDIVIDUAL? OR USER? ? OR OCCUPANT? ? OR PASSENGER? ?
OR DRIVER? ? OR INJUREE? OR VICTIM? ?)(4N)( INFORMATION OR DATA OR CONDITION? ? OR
CONTINGENC??? OR INSTRUCTION? OR HISTOR??? OR RECORDS OR PAST)

S2   19077408   MEDICAL OR MEDICALERT OR MEDIC()ALERT OR MEDALERT OR MEDICALERT OR
HEALTH OR ALLERG??? OR MEDICATION? ? OR CAREGIVER? ? OR SPECIAL()(NEEDS OR
SENSITIVITIES) OR AFFLICTION?

S3     100307   S1(9N)S2
S4        328   (ENCRYPT? OR CRYPT? OR (PRIVATE OR PUBLIC OR SECRET)(2W)(KEY? ? OR
PASSCODE? ? OR ENCOD? OR COD?) OR CIPHER? ? OR ENCIPHER OR DECRYPT?)
(12N)(EMERGENC??? OR EMT? ? OR AMBULANCE? ? OR CRISIS OR CRISES OR SUDDEN()TRAUMA
OR ACCIDENT? ? OR CRASH??? OR COLLISION? ? OR INCIDENT? ? OR EVENT? ? OR RESPONDER?
? OR TRIAGE OR 911 OR 9()1()1)

S5      74374   VEHICLE? ? OR AUTOMO? OR CAR? ? OR TRUCK? OR MULTICAR? ? OR LORRY
OR LORRIES OR MOTORCYCLE? OR MOTORBIKE? OR MEANS(2W)OF(2W)(TRANSPORTATION OR
TRANSPORT)

S6          {DELETED}
S7        106   S5(12N)S3
S8         90   S7(F)S4
S9         41   S8 FROM 348,349
S10        49   S8 NOT S9
S11        30   RD  (unique items)
S12        16   S11 NOT PY>2003
S13        {DELETED}
S14        33   S5(4N)(OWNER? OR OPERATOR?)
S15        32   S14(F)S4
S16        21   S15 NOT S8
S17        21   S16 FROM 348,349
```

9/3K/5 (Item 5 from file: 348)
00899202

Method and system for the secure transmission and storage of protectable information
Verfahren und System zum sicheren Ubertragen und Speichern von geschutzter Information
Methode et systeme pour la transmission et le stockage securises de donnees a proteger

Patent Assignee:

- **International Business Machines Corporation** (200120)
  New Orchard Road; Armonk, N.Y. 10504 (US)
  (Proprietor designated states: all)

Inventor:

- **Deindl, Michael**
  Margareten-Strasse 1; 71034 Boblingen; (DE)
- **Witzel, Martin**
  Moerikestrasse 14; 71101 Schonaich; (DE)

Legal Representative:

- **Klein, Hans-Jorg et al (157621)**
  IBM Deutschland GmbH Intellectual Property Department; 70548 Stuttgart; (DE)

	Country	Number	Kind	Date	
Patent	EP	821326	A2	19980128	(Basic)
Patent	EP	821326	A3	19991215	
Patent	EP	821326	B1	20041027	
Application	EP	97111514		19970708	
Priorities	DE	19629856		19960724	

Designated States:
DE; FR; GB

Extended Designated States:
AL; LT; LV; RO; SI

International Patent Class (V7): G07F-007/10; G06K-017/00; G06K-019/073**Abstract Word Count:** 193
NOTE: Figure number on first page: 2
Language Publication: English
Procedural: English
Application: English

Fulltext Availability	Available Text	Language	Update	Word Count
CLAIMS A		(English)	199805	756
SPEC A		(English)	199805	3256
CLAIMS B		(English)	200444	569
CLAIMS B		(German)	200444	492

Fulltext Availability Available Text	Language	Update	Word Count
CLAIMS B	(French)	200444	662
SPEC B	(English)	200444	3488
Total Word Count (Document A) 4013			
Total Word Count (Document B) 5211			
Total Word Count (All Documents) 9224			

Specification: ...solve if all participants were to use the same key; however, this would mean that every one of them could read what two participants had **encrypted** between them and, in the **event** of a successful access from outside to this one key, the whole system would be open. If each participant were to have his own key... ...If the doctor is authorised, the system first gives him access to data which is accessible to every user group. These data are also not **encrypted** (**emergency** data).

If the doctor requires access to protected data, the user card must contain information on the group to which the doctor belongs (e.g...

Specification: ...method and a system for the secure transmission and storage of protectable information, in particular, of patient information stored on a patient card system.

Patient **card** systems should primarily serve the interests of the patient. The **person**-related **medical data** of a **person** stored on the patient **card** is particularly sensitive and hence worth protecting. In addition patients are often in a very weak state and are not in a position to deal... ...solve if all participants were to use the same key; however, this would mean that every one of them could read what two participants had **encrypted** between them and, in the **event** of a successful access from outside to this one key, the whole system would be open. If each participant were to have his own key... ...If the doctor is authorised, the system first gives him access to data which is accessible to every user group. These data are also not **encrypted** (**emergency** data).

If the doctor requires access to protected data, the user card must contain information on the group to which the doctor belongs (e.g...

Dialog eLink: Order File History

DIALOG(R)File 348: EUROPEAN PATENTS

9/3K/4 (Item 4 from file: 348)
01409093

System and method for introducing a medical facility
System und Verfahren zum Vorschlagen einer medizinischer Anlage
Systeme et methode pour proposer un service medical

Patent Assignee:

- **YOZAN INC.** (1218671)
  3-5-18, Kitazawa, Setagaya-ku; Tokyo 155 (JP)
  (Applicant designated States: all)

Inventor:

- **Takatori, Sunao**
  c/o Yozan Inc., Yozan Building, 3-5-18, Kitazawa; Setagaya-ku, Tokyo; (JP)
- **Yokoi, Takashi**
  c/o Yozan Inc., Yozan Building, 3-5-18, Kitazawa; Setagaya-ku, Tokyo; (JP)
- **Kiyomatsu, Hisanori**
  c/o Yozan Inc., Yozan Building, 3-5-18, Kitazawa; Setagaya-ku, Tokyo; (JP)

Legal Representative:

- **Jones, Keith William et al (72982)**
  Harrison Goddard Foote Orlando House 11c Compstall Road Marple Bridge; Stockport SK6 5HH; (GB)

	Country	Number	Kind	Date	
Patent	EP	1191473	A2	20020327	(Basic)
Patent	EP	1191473	A3	20021204	
Application	EP	2001307808		20010913	
Priorities	JP	2000284913		20000920	

Designated States:
DE; FR; GB; NL

Extended Designated States:
AL; LT; LV; MK; RO; SI

International Patent Class (V7): G06F-019/00**Abstract Word Count:** 145
NOTE: Figure number on first page: 1
Language Publication: English
Procedural: English
Application: English

Fulltext Availability	Available Text	Language	Update	Word Count

Fulltext Availability Available Text	Language	Update	Word Count
CLAIMS A	(English)	200213	544
SPEC A	(English)	200213	2467
Total Word Count (Document A) 3011			
Total Word Count (Document B) 0			
Total Word Count (All Documents) 3011			

Specification: ...blood type, and important medical history. This kind of information is important when selecting a medical facility under normal circumstances and is particularly important in **emergencies**. Preferably, leaks of this personal information are prevented by passwords and **encryption** programs.

The host computer 10 retrieves information about the attributes, history of outpatient visits to medical facilities, and medical history of the user stored in...the communication terminal or based on the current location input by the user. Thus, the system of the present invention provides the major advantages that **users** who have a **medical history** occasionally requiring emergency **medical care** such as heart disease or diabetes can obtain extremely useful service even during a trip far from his or her home address, and that the...

Dialog eLink: Order File History
9/3K/6 (Item 1 from file: 349)
DIALOG(R)File 349: PCT FULLTEXT

01075447

SYSTEM FOR CARDIAC RESUSCITATION
SYSTEME DE REANIMATION CARDIAQUE

Patent Applicant/Inventor:

- **MATOS Jeffrey A**
  132 Hillandale Drive, New Rochelle, NY 10804; US; US(Residence); US(Nationality); (For all designated states except: US)

Legal Representative:

- **MILDE Karl F Jr (agent)**
  Milde & Hoffberg, LLP, 10 Bank Street, Ste. 460, White Plains, NY 10606; US

	Country	Number	Kind	Date

	Country	Number	Kind	Date
Patent	WO	2003103765	A1	20031218
Application	WO	2003US18542		20030611
Priorities	US	2002387990		20020611

Designated States: (Protection type is "Patent" unless otherwise stated - for applications prior to 2004)
AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG,
BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ,
DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD,
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP,
KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,
NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD,
SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ,
UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

[EP] AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;
FI; FR; GB; GR; HU; IE; IT; LU; MC; NL;
PT; RO; SE; SI; SK; TR;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;
ML; MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;
UG; ZM; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

Language Publication Language: English
Filing Language: English
Fulltext word count: 134439

Detailed Description:

...network.

88
The left side also contains a magnetic card reading device 185. This allows the MP to have access to the information on a **card** which may contain **victim medical history**. It also allows the MP to have access to information on a **card** which properly identifies EMT personnel, before control of the PU is transferred.

2.4 Stationary Unit: Front and Side Panels

The stationary unit 108 is...or the CS) must be
established; or a wire must be extended from the PU (to either
the SU or a female jack of the **public** telephone system).

In this PU-SU-CS format, the sequence of **events** could be.

a) button press;
b) the PU, over its connection to the SU via connectors 188
and 190, causes the SU to attempt to...the
emergency;
b) ask for the victim's identification, if known (This would
allow the MP to begin searching one or more databases for further
information about the **victim**'s **past medical history**, about a
health care proxy (if any) and about advance directives (if any).

203
In Table 11, the identification information is obtained later,
i.e. during phase five);
c... ...or more of the
victim's physicians;
g) the names and telephone numbers of hospitals or clinics
where the victim may have been treated;
h) **information** about **victim**'s next-of-kin; and
i) information about **health care** proxy and advance
directive, if any, i.e. legal documents which may specify who and
how health care decisions are to be made for this... ...other business entities which may
maintain such databases; and
e) government based data archives including Medicare,
Medicaid, and other state and foreign sources.

f) a **card** or other item carried by the **victim** onto which
medical information has been encoded, which may be decoded by
apparatus within the PU
211
The encoding, transmission, retrieval, display and storage
of the aforementioned information would...

00137300

DISTRIBUTED DATA SYSTEM FOR MEDICAL RECORDS
SYSTEME DE DONNEES REPARTIES POUR ARCHIVES MEDICALES

Patent Applicant/Patent Assignee:

- **INSERPHON GMBH**
- **LANDA Efraim E**

Inventor(s):

- **PALTI Yoram**

	Country	Number	Kind	Date
Patent	WO	8702160	A1	19870409
Application	WO	85US1717		19850926
Priorities	WO	85US1717		19850926

Designated States: (Protection type is "Patent" unless otherwise stated - for applications prior to 2004)
AT, BE, CH, DE, FR, GB, IT, JP, LU, NL,
SE
Language Publication Language: English
Fulltext word count: 12156

Detailed Description:

...in emergenc y-yehicles.

The access hierarchy is-then as follows.

System Access - user code
ID File - user code only
Emergency file - user code plus **emergency** or
personal code
General File -user code plus master or
personal code
Private File -user **code** plus personal code
only,
At the highest addresses of the memory in fixed
format are three reference texts, One text is for the
general file...the patient's name, address and
possibly description as to height, weighte eye color,

and other physically descriptive identifiers which will
5 associate the actual **person** with the **medical records** on
the **card**. This identification file which can be read
without other authorization will prevent mistakes in
identifying a medical record as belonging to a
particular person just...

Dialog eLink: Order File History
9/3K/12 (Item 7 from file: 349)
DIALOG(R)File 349: PCT FULLTEXT

00870979

INFORMATION RECORD INFRASTRUCTURE, SYSTEM AND METHOD
INFRASTRUCTURE DE DOSSIERS D'INFORMATION, ET SYSTEME ET PROCEDE ASSOCIES

Patent Applicant/Inventor:

- **FELSHER David Paul**
  158 Blackhouse Road, Trumbull, CT 06611; US; US(Residence); US(Nationality)

Legal Representative:

- **HOFFBERG Steven M (agent)**
  Milde, Hoffberg & Macklin, LLP, Suite 460, 10 Bank Street, White Plains, NY 10606; US

	Country	Number	Kind	Date
Patent	WO	200205061	A2-A3	20020117
Application	WO	2001US21234		20010705
Priorities	US	2000216199		20000706
	US	2000223246		20000804

Designated States: (Protection type is "Patent" unless otherwise stated - for applications prior to 2004)
AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG,
BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ,
DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD,
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP,
KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,

LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,
NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI,
SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US,
UZ, VN, YU, ZA, ZW

[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;
GR; IE; IT; LU; MC; NL; PT; SE; TR;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML;
MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;
UG; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;
Language Publication Language: English
Filing Language: English
Fulltext word count: 19890

Detailed Description:

...certification authority, holding encryption data. The certification authority serves a practical purpose, but implementation of such an authority may be avoided if respective passwords and **encryption** keys are reliably and securely held only by authorized users. However, since **emergency** situations arise in practice, which may require **decryption** key access without personal express authorization from the content owner, the certification authority may be an important component of the system. The certification authority also...Thus, the present invention provides a system for the decryption and watermarking of data, in a content (or content type)-specific manner. An onfine handshaking **event** may oceur on **decryption**, to provide 15' confirmation of the process, and indeed may also authenticate the user of the system during decryption.

One particular application of the present...but implernentation of such an authority may be avoided if passwords and eneryption keys are reliably and securely held only by authorized users. However, since **emergency** situations arise in practice, which may require **decryption** key access without: personal express authorizafion from the patient, the certification authority is an important component of the system. The certification authority also issues the...while the system according to the present invention also implements an independent multi-institutional archive database.

To properly authenticate individuals on any computer system containing **health care data**, every **individual** shoula have a unique secure identifier for access. Such a poficy allows individuals to be held accountable for all actions taken while logged on. Thus...

Dialog eLink: Order File History
9/3K/14 (Item 9 from file: 349)
DIALOG(R)File 349: PCT FULLTEXT

00856099

SMARTCHIP BIOMETRIC DEVICE
DISPOSITIF BIOMETRIQUE A PUCE

Patent Applicant/Inventor:

- **DE SCHRIJVER Stefaan**
  952 Beacon Street, Newton, MA 02459; US; US(Residence); BE(Nationality)

Legal Representative:

- **LOREN Ralph A(et al)(agent)**
  Lahive & Cockfield, LLP, 28 State Street, Boston, MA 02109; US

	Country	Number	Kind	Date
Patent	WO	200188859	A2-A3	20011122
Application	WO	2001US16055		20010517
Priorities	US	2000205061		20000518

Designated States: (Protection type is "Patent" unless otherwise stated - for applications prior to 2004)
AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG,
BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE,
DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG,
KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV,
MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ,
PL, PT, RO, RU, SD, SE, SG, SI, SK, SL,
TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,
YU, ZA, ZW

[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;
GR; IE; IT; LU; MC; NL; PT; SE; TR;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML;
MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;
UG; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;
Language Publication Language: English
Filing Language: English
Fulltext word count: 2738

Detailed Description:

...owner. The writing instrument may also incorporate biometric sensors and a second microprocessor to control such biometric sensors and collect biometric data during a signature **event**. The internally stored and **encrypted** PIN can be transferred to other systems with biometric information to provide a dual verification scheme. In another embodiment, data stored on the first and...the external device to the first microprocessor 14. By reading the protected data, the external device can authenticate the user (e.g., extract a credit **card** number).

Alternately, depending upon the application, the transmitter/receiver 20 can extract **personal information** (e.g., **medical records**) for display on a device including the transmitter/receiver 20, or other such device.

In yet another embodiment, the writing instrument includes a display to...owner.

The writing instrument can also incorporate biometric sensors and a second microprocessor to control such biometric sensors and collect biometric data during a signature **event**. The internally stored and **encrypted** PIN can be transferred to other systems with biometric information to provide a dual verification scheme. In another embodiment, data stored on the first and...

Dialog eLink: Order File History
9/3K/9 (Item 4 from file: 349)
DIALOG(R)File 349: PCT FULLTEXT

00982638

APPARATUS FOR READING AND WRITING CARDS HAVING ROTATING MEMORY
APPAREIL DE LECTURE ET D'ECRITURE DE CARTES A MEMOIRE ROTATIVE

Patent Applicant/Patent Assignee:

- **STORCARD INC**
  P.O. Box S PMB 3115, Carmel, CA 93921; US; US(Residence); US(Nationality)

Inventor(s):

- **CONNER Finis**
  P.O. Box S PMB 3115, Carmel, CA 93921; US
- **NIGAM Anil**
  21451 Continental Circle, Saratoga, CA 95070; US

Legal Representative:

- **COLWELL Robert C(et al)(agent)**
  Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8th Floor, San Francisco, CA 94111-3834; US

	Country	Number	Kind	Date
Patent	WO	200312732	A1	20030213
Application	WO	2002US23836		20020726
Priorities	US	2001308164		20010727
	US	2002193824		20020711

Designated States: (Protection type is "Patent" unless otherwise stated - for applications prior to 2004)
AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG,
BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ,
DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD,
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP,
KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,
NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE,
SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
UA, UG, UZ, VN, YU, ZA, ZM, ZW

[EP] AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;
FI; FR; GB; GR; IE; IT; LU; MC; NL; PT;
SE; SK; TR;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;
ML; MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;
UG; ZM; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;
Language Publication Language: English
Filing Language: English
Fulltext word count: 9289

Detailed Description:

...records at financial institutions or on the Internet, an electronic album with both still and video clips of family and friends, a complete set of **personal medical records**, and a host of other features. By virtue of the **card**, one does not need to remember a variety of passwords or personal identification pins (PINs) to access bank accounts. The card has all this data...the confidential data. The file is sent to the card 45 utilizing the public key. Note that card 45 is the only card that can **decrypt** this message.

[**911** The session keys are stored in RAM 105 and the input/output logic II 5 is configured to pass data to the cryptography engine 1...

Dialog eLink: Order File History
9/3K/10 (Item 5 from file: 349)
DIALOG(R)File 349: PCT FULLTEXT

00901269

HIDDEN LINK DYNAMIC KEY MANAGER
GESTIONNAIRE DE CLES DYNAMIQUES A LIAISON CACHEE UTILISE DANS DES SYSTEMES INFORMATIQUES A STRUCTURE DE BASE DE DONNEES POUR STOCKER DES DONNEES CRYPTEES, ET PROCEDE DE STOCKAGE ET D'EXTRACTION DE DONNEES CRYPTEES

Patent Applicant/Patent Assignee:

- **ERUCES LLC**
  8835 Monrovia Street, Lenexa, KS 66215; US; US(Residence); US(Nationality); (For all designated states except: US)

Patent Applicant/Inventor:

- **MADOUKH Ashraf**
  5203 W. 155th Terrace, Overland Park, KS 66224; US; US(Residence); US(Nationality); (Designated only for: US)
- **KHULUSI Bassam**
  11324 Woodward, Overland Park, KS 66210; US; US(Residence); US(Nationality); (Designated only for: US)
- **VASIC Ognjen**
  13314 West 88th Cir. #J, Lenexa, KS 66215; US; US(Residence); YU(Nationality); (Designated only for: US)

- **HU Jinhui**
  12824 W. 88th St. #91, Lenexa, KS 66215; US; US(Residence); CN(Nationality); (Designated only for: US)
- **ANSARI Suhail**
  8941 Renner blvd. #1004, Lenexa, KS 66215; US; US(Residence); IN(Nationality); (Designated only for: US)
- **GAN Ping**
  2040 Heatherwood Drive #306, Lawrence, KS 66047; US; US(Residence); CN(Nationality); (Designated only for: US)

Legal Representative:

- **ELLIOTT Kyle (agent)**
  BLACKWELL SANDERS PEPER MARTIN, 9401 Indian Creek Parkway, Suite 1200, Overland Park, KS 66210; US

	Country	Number	Kind	Date
Patent	WO	200235329	A2-A3	20020502
Application	WO	2001US32089		20011015
Priorities	US	2000693605		20001020

Designated States: (Protection type is "Patent" unless otherwise stated - for applications prior to 2004)
AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG,
BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ,
DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD,
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP,
KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,
NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG,
SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG,
US, UZ, VN, YU, ZA, ZW

[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;
GR; IE; IT; LU; MC; NL; PT; SE; TR;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;
ML; MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;
UG; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;
Language Publication Language: English
Filing Language: English

Fulltext word count: 14554

Detailed Description:

...networ@s, many Internet and e-commerce companies are dealing with the exchange of confidential information over the Internet. Examples of confidential information include credit **card** numbers, bank account numbers, social security numbers, birth dates, and highly **personal** and private **medical records**.

Current digital certificates issued under the public key infrastructure (PKI) system use secure sockets layer (SSL) protocol to protect Internet communications in transit. Thus, many... ...new encryption keys upon the expiration of old encryption keys. In one embodiment, the encryption keys are preferably dynamic and rotate with high frequency. The **encryption** keys change - or rotate upon the occurrence of desired rotation **events** such as a user beginning a new task. The **encryption** keys are dynamic in that when an encryption key expires, the computer system will retrieve all data encrypted with the old encryption key and use...with the SEK's in step 204. If the hash values are different, an alarm is sent indicating that the key has been corrupted. To **decrypt** the data entity in the **event** of a corrupted SEK, the correct SEK is obtained from the primary backup tape 48. The SEK obtained form the backup tape is hashed and...

?

File 13:BAMP 2010/Sep 03
(c) 2010 Gale/Cengage
File 75:TGG Management Contents(R) 86-2010/Aug W5
(c) 2010 Gale/Cengage
File 95:TEME-Technology & Management 1989-2010/Aug W1
(c) 2010 FIZ TECHNIK
File 647:UBM Computer Fulltext 1988-2010/Aug W5
(c) 2010 UBM, LLC
File 674:Computer News Fulltext 1989-2006/Sep W1
(c) 2006 IDG Communications
File 149:TGG Health&Wellness DB(SM) 1976-2010/Sep W1
(c) 2010 Gale/Cengage
File 444:New England Journal of Med. 1985-2010/Aug W5
(c) 2010 Mass. Med. Soc.
File 129:PHIND(Archival) 1980-2010/Sep W1
(c) 2010 Informa UK Ltd
File 130:PHIND(Daily & Current) 2010/Sep 06
(c) 2010 Informa UK Ltd
File 455:Drug News & Perspectives 1992-2005/Aug
(c) 2005 Prous Science
File 485:Accounting & Tax DB 1971-2010/Aug W5
(c) 2010 ProQuest Info&Learning
File 625:American Banker Publications 1981-2008/Jun 26
(c) 2008 American Banker
File 637:Journal of Commerce 1986-2010/Aug 31
(c) 2010 UBM Global Trade
File 15:ABI/Inform(R) 1971-2010/Sep 06
(c) 2010 ProQuest Info&Learning
File 9:Business & Industry(R) Jul/1994-2010/Sep 03
(c) 2010 Gale/Cengage
File 610:Business Wire 1999-2010/Sep 07
(c) 2010 Business Wire.
File 810:Business Wire 1986-1999/Feb 28
(c) 1999 Business Wire
File 275:Gale Group Computer DB(TM) 1983-2010/Jul 26
(c) 2010 Gale/Cengage
File 624:McGraw-Hill Publications 1985-2010/Sep 07
(c) 2010 McGraw-Hill Co. Inc
File 621:Gale Group New Prod.Annou.(R) 1985-2010/Jul 15
(c) 2010 Gale/Cengage
File 636:Gale Group Newsletter DB(TM) 1987-2010/Sep 03

(c) 2010 Gale/Cengage
File 613:PR Newswire 1999-2010/Sep 07
(c) 2010 PR Newswire Association Inc
File 813:PR Newswire 1987-1999/Apr 30
(c) 1999 PR Newswire Association Inc
File 16:Gale Group PROMT(R) 1990-2010/Sep 03
(c) 2010 Gale/Cengage
File 160:Gale Group PROMT(R) 1972-1989
(c) 1999 The Gale Group
File 634:San Jose Mercury Jun 1985-2010/Sep 04
(c) 2010 San Jose Mercury News
File 148:Gale Group Trade & Industry DB 1976-2010/Sep 03
(c) 2010 Gale/Cengage
File 20:Dialog Global Reporter 1997-2010/Sep 07
(c) 2010 Dialog

```
Set     Items   Description
S1    2744758   (PERSON?? OR INDIVIDUAL? OR USER? ? OR OCCUPANT? ? OR PASSENGER? ?
OR DRIVER? ? OR INJUREE? OR VICTIM? ?)(4N)( INFORMATION OR DATA OR CONDITION? ? OR
CONTINGENC??? OR INSTRUCTION? OR HISTOR??? OR RECORDS OR PAST)

S2   19077408   MEDICAL OR MEDICALERT OR MEDIC()ALERT OR MEDALERT OR MEDICALERT OR
HEALTH OR ALLERG??? OR MEDICATION? ? OR CAREGIVER? ? OR SPECIAL()(NEEDS OR
SENSITIVITIES) OR AFFLICTION?

S3     100307   S1(9N)S2
S4        328   (ENCRYPT? OR CRYPT? OR (PRIVATE OR PUBLIC OR SECRET)(2W)(KEY? ? OR
PASSCODE? ? OR ENCOD? OR COD?) OR CIPHER? ? OR ENCIPHER OR DECRYPT?)
(12N)(EMERGENC??? OR EMT? ? OR AMBULANCE? ? OR CRISIS OR CRISES OR SUDDEN()TRAUMA
OR ACCIDENT? ? OR CRASH??? OR COLLISION? ? OR INCIDENT? ? OR EVENT? ? OR RESPONDER?
? OR TRIAGE OR 911 OR 9()1()1)

S5      74374   VEHICLE? ? OR AUTOMO? OR CAR? ? OR TRUCK? OR MULTICAR? ? OR LORRY
OR LORRIES OR MOTORCYCLE? OR MOTORBIKE? OR MEANS(2W)OF(2W)(TRANSPORTATION OR
TRANSPORT)

S6         {DELETED}

S7        106   S5(12N)S3
S8         90   S7(F)S4
S9         41   S8 FROM 348,349
S10        49   S8 NOT S9
S11        30   RD  (unique items)
S12        16   S11 NOT PY>2003
S13        {DELETED}
S14        33   S5(4N)(OWNER? OR OPERATOR?)
S15        32   S14(F)S4
S16        21   S15 NOT S8
S17        21   S16 FROM 348,349
```

12/3,K/10 (Item 1 from file: 275)
DIALOG(R)File 275: Gale Group Computer DB(TM)

02420337 **Supplier Number:** 63255862 **(Use Format 7 Or 9 For** FULL TEXT)
Opening the Lines of Communication.(DocLinks)(Company Operations)

Health Management Technology , 21 , 7 , 48
July , 2000
ISSN: 1074-4770
Language: English **Record Type:** Fulltext; Abstract
Word Count: 1008 **Line Count:** 00090

...a password and the software provides even more robust security. Access to each patient record is allowed so that only those providers involved in the **care** of a given patient have direct access to a patient's **medical** record. **Users** are shown **medical information** on a need-to-know basis; `back-office' users of the system (clerks, billets, claims processors) cannot access confidential clinical record. We use **encryption** to ensure confidentiality and our system administrators can trace access in the **event** someone attempts to access records inappropriately.

Memorial physicians and other providers can maintain up-to-date files of their patients' charts on their laptop computer...

IV. Text Search Results from Dialog (Abstract dbs)

A. Abstract Databases -- Patent

File 347:JAPIO Dec 1976-2009/Nov(Updated 100228)
(c) 2010 JPO & JAPIO
File 350:Derwent WPIX 1963-2010/UD=201019
(c) 2010 Thomson Reuters

```
Set     Items   Description
S1     942258   (PERSON?? OR INDIVIDUAL? OR USER? ? OR OCCUPANT? ? OR PASSENGER? ?
OR  DRIVER? ? OR INJUREE? OR VICTIM? ? OR OWNER? ? OR OPERATOR? ?)(4N)( INFORMATION
OR DATA  OR CONDITION? ? OR CONTINGENC??? OR INSTRUCTION? OR HISTOR??? OR RECORDS
OR PAST)

S2     147054   MEDICAL OR MEDICALERT OR MEDIC()ALERT OR MEDALERT OR MEDICALERT OR
HEALTH OR ALLERG??? OR MEDICATION? ? OR CAREGIVER? ? OR SPECIAL()(NEEDS OR
SENSITIVITIES) OR AFFLICTION?

S3          80   (ENCRYPT? OR CRYPT? OR (PRIVATE OR PUBLIC OR SECRET)(2W)(KEY? ? OR
 PASSCODE? ? OR ENCOD? OR COD?) OR CIPHER? ? OR ENCIPHER OR DECRYPT?)
(S)(EMERGENC??? OR EMT? ? OR AMBULANCE? ? OR CRISIS OR CRISES OR SUDDEN()TRAUMA OR
ACCIDENT? ? OR CRASH???  OR COLLISION? ? OR INCIDENT? ? OR EVENT? ? OR RESPONDER? ?
OR TRIAGE OR 911 OR 9()1()1)

S4       49141   VEHICLE? ? OR AUTOMO? OR CAR? ? OR TRUCK? OR MULTICAR? ? OR BOATING
OR LORRY OR LORRIES OR MOTORCYCLE? OR MOTORBIKE? OR MEANS(2W)OF(2W)(TRANSPORTATION
OR TRANSPORT)

S5         899   (MOBILE? ? OR TRANSMIT? OR TRANSMISSION? OR TELECOM? OR TELEMATIC?
OR HANDHELD? OR HAND()HELD OR PDA? ? OR UPLOAD? OR DEVICE OR KEYDEVICE OR KEY? ? OR
 CELLPHONE? OR PHONE? ? OR DIGITAL(2W)ASSISTANT? OR BLACKBERR? OR TELEPHON? OR
 CELLULAR(2W)DEVICE? ? OR REALTIME OR REAL()TIME OR DYNAMIC? OR SIGNAL? ?)(9N)
(CENTER? ? OR CALLCENTER? OR PHONECENTER? OR RELAY? OR DISPATCHER?)

S6       42476   S1(12N)S2
S7       11635   S6(S)S4
S8         103   S7(S)(S3 OR S5)
S9          80   S8 FROM 347,350
S10         23   S8 NOT S9
S11         16   RD  (unique items)
S12          6   S11 NOT PY>2003
```

9/3,K/4 (Item 4 from file: 347)
DIALOG(R)File 347: JAPIO

08197549 **Image available**
EMERGENCY LIFESAVING SYSTEM FOR AUTOMOBILE ACCIDENT

Pub. No.: 2004-310309 [JP 2004310309 A]
Published: November 04, 2004 (20041104)
Inventor: NISHIMOTO TETSUYA
MURAKAMI NARIYUKI
Applicant: JAPAN AUTOMOBILE RESEARCH INST INC
Application No.: 2003-100983 [JP 2003100983]
Filed: April 04, 2003 (20030404)

ABSTRACT

PROBLEM TO BE SOLVED: To provide an emergency lifesaving system for an **automobile** accident for saving a victim as early as possible, and for executing emergency medical treatment/operation by utilizing a **vehicle** device mounted on an **automobile** to shorten a time required for the emergency lifesaving of a victim after an **automobile** accident has occurred, and reporting **personal medical information** for the optimal **medical** treatment to a doctor.

SOLUTION: **Vehicle** data when an accident has occurred are recorded by an onboard device mounted on an **automobile** 1, and the **vehicle data** and **personal information** such as a **victim**'s birth date, age, gender distinct, height, weight, blood type, **medical** history, medicine taking condition, allergic presence/absence, respirator, pulse, family doctor information, complete physical examination information and organ donation intention are transmitted from the **vehicle device** to an emergency **center** 2 by a radio **telephone transmitting** means. The emergency **center** 2 determines the magnitude of the accident, and predictively calculates the injured sites or injury grade by computer simulation and statistical mechanics model, and transmits the information from the **automobile** side and the damage predicted grade information to an ambulance 3 or a hospital 4.

Dialog eLink: Order File History
9/3,K/6 (Item 6 from file: 347)
DIALOG(R)File 347: JAPIO

07722841 **Image available**
SYSTEM FOR MANAGING EMERGENCY ACTIVITY, METHOD THEREOF AND

PROGRAM THEREFOR

Pub. No.: 2003-216742 [JP 2003216742 A]
Published: July 31, 2003 (20030731)
Inventor: MATSUO TOSHIYUKI
Applicant: DIGITAL FOUNDATION KK
Application No.: 2002-013402 [JP 200213402]
Filed: January 22, 2002 (20020122)

ABSTRACT

PROBLEM TO BE SOLVED: To enable even a person who does not have sufficient knowledge about a management target area and medical **care** to appropriately and quickly select a fire station and a **medical** institution in accordance with the location and **condition** of an object **person** at a site in need of **medical** treatment when the object person in need of medical treatment appears in the management target area.

SOLUTION: A management **device** 1 installed at an emergency commanding **center** is connected to a **mobile** terminal **device** 3 of an emergency worker through a communication network 2 and also connected to a terminal device of the medical institution 4. The management device... Di01

09571141 **Image available**
HOME CARE SUPPORT SYSTEM AND RELAY DEVICE

Pub. No.: 2008-276507 [JP 2008276507 A]
Published: November 13, 2008 (20081113)
Inventor: MAEDA YOSHINORI
SATOMURA AKIO
WATABE KOJI
Applicant: SDB KK
Application No.: 2007-119284 [JP 2007119284]
Filed: April 27, 2007 (20070427)

ABSTRACT
...TO BE SOLVED: To achieve a home care for a patient to easily use and for a doctor to have little burden.

SOLUTION: To a **relay device** which **relays** communications between a medical institution terminal for accessing an electronic medical statement database and a user terminal for transmitting a home visit request message to... ...and a terminal identifier of the user terminal. When receiving the home visit request message from either of the user terminals, this system makes the **relay device** to execute a process to acquire the name and address corresponding to the terminal identifier written in the home visit request message from the user database, add them to the home visit request message, and transfer it either of the **medical** institution terminals, and a process to acquire the **medical care history** of the **user** from the electronic **medical** statement database and transfer the **history** to the **user** terminal.

Dialog eLink: Order File History
9/3,K/7 (Item 7 from file: 347)
DIALOG(R)File 347: JAPIO

07716520 **Image available**
HOME HEALTH CARE CONTROL SYSTEM AND VITAL DATA REMOTE DISPLAY METHOD

Pub. No.: 2003-210420 [JP 2003210420 A]
Published: July 29, 2003 (20030729)
Inventor: ONEDA TAKASHI
NAKAJIMA FUYUKI
YAMASHITA REIKO
OKAMOTO MIYUKI
Applicant: SANYO ELECTRIC CO LTD
Application No.: 2002-015687 [JP 200215687]
Filed: January 24, 2002 (20020124)

ABSTRACT

PROBLEM TO BE SOLVED: To facilitate the detection of the arrhythmia, etc., by displaying the present vital **data** of a **user** at **real time** in a **center**.

SOLUTION: This home **health care** control system is so constituted that a home **care** terminal provided with a vital sensor measuring the vital data of the user and the center provided with a display mechanism of the vital data... ...as to transmit/receive the data, the vital sensor is provided with, at least, body temperature measuring means and blood pressure measuring means, the home **care** terminal is provided with data obtaining means obtaining the vital data measured by the vital sensor and **real time transmission** means **transmitting** the vital data addressed to the **center** to the communication network

at every time obtaining the vital data, and the center is provided with memory means storing the received vital data once... Di01

Dialog eLink: Order File History
9/3,K/13 (Item 13 from file: 347)
DIALOG(R)File 347: JAPIO

07300254 **Image available**
VEHICLE MANAGEMENT SYSTEM

Pub. No.: 2002-168734 [JP 2002168734 A]
Published: June 14, 2002 (20020614)
Inventor: MATSUI FUJIO
Applicant: FUJI HEAVY IND LTD
Application No.: 2000-364726 [JP 2000364726]
Filed: November 30, 2000 (20001130)

ABSTRACT

PROBLEM TO BE SOLVED: To enhance preventive safety by managing the **health conditions** of **vehicles** of **individual users** in real time and to provide information on the **health** conditions of the **vehicles** to the individual users.

SOLUTION: When a user uses a mobile phone 2 dedicated to the user's own **vehicle** 1 to dial a specific number preset in the phone 2, the phone automatically stands by for wireless communication with controllers in the **vehicle** 1 while it calls a central information management **center** 51 and data of the respective controllers are **transmitted** via a network in the **vehicle** 1 to the management **center** 51 through the **phone** 2. The management **center** 51 accumulates **vehicle information** for each **user** and delivers it to various departments to manage the **health** conditions of the **vehicles** while it provides each **user** with **information** on the **vehicle** maintenance conditions and the **vehicle health** conditions such as the existence of trouble.

Dialog eLink: Order File History
9/3,K/39 (Item 13 from file: 350)
DIALOG(R)File 350: Derwent WPIX

0012997785 *Drawing available*
WPI Acc no: 2003-075758/200307
XRPX Acc No: N2003-058627
Portable personal medical file system stores health data in device that is small, lightweight, requires no connecting cables or PCMCIA card adapters, and fits standard universal serial bus ports
Patent Assignee: CHICHE G (CHIC-I)
Inventor: CHICHE G

Patent Family (2 patents, 31 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
WO 2002093508	A1	20021121	WO 2001BE86	A	20010516	200307	B
AU 2001261927	A1	20021125	AU 2001261927	A	20010516	200452	E
			WO 2001BE86	A	20010516		

Priority Applications (no., kind, date): WO 2001BE86 A 20010516

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
WO 2002093508	A1	EN	10	4		
National Designated States,Original	AE AT AU CA CH DE DK ES FI GB IN IS LU MX NO NZ PL RU TR US ZA					
Regional Designated States,Original	AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR					
AU 2001261927	A1	EN			PCT Application	WO 2001BE86
					Based on OPI patent	WO 2002093508

Original Publication Data by AuthorityArgentina**Publication No. ...Original Abstracts:**permits when needed to instantly five access to his medical data and history to the care provider in an eventual emergency case or in a **medical** practice. With the **use** of user-friendly software all **related medical data** of patient **including** x-rys, labs reports data, **emergency** information, **allergies**, **medication**, **administration** and insurance information of the patient will be display. Furthermore it offer to the **care** provider a summarized **report** of the **care** provided to the **patient** for insurance purpose and history backup. Moreover, using a dedicated internet portal site, facilities are given to the **care** provider to download x-ray and analyses result uploaded earlier by lab offices. A secure communication and storage algorithm based on Rijndael in conjunction with a security technique using a memory microchip device that as a swapping DMA techniques in order to secure data storage, a personal **encrypted** hidden key with **variable** block add security to the system...

Dialog eLink: Order File History
9/3,K/33 (Item 7 from file: 350)
DIALOG(R)File 350: Derwent WPIX

0014048773 *Drawing available*
WPI Acc no: 2004-231161/200422
Related WPI Acc No: 2003-190946
XRPX Acc No: N2004-182818
Emergency condition communication system transmits abnormality generation report to health care center, when tolerance of measured value of user's blood pressure and pulse rate exceeds pre-stored normal value
Patent Assignee: NAKATA O (NAKA-I)
Inventor: NAKADA O

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
JP 2004041749	A	20040212	JP 2001169969	A	20010605	200422	B
			JP 2003280821	A	20030728		

Priority Applications (no., kind, date): JP 2001169969 A 20010605; JP 2003280821 A 20030728

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
JP 2004041749	A	JA	8	2	Division of application JP 2001169969

Alerting Abstract USE - For communicating emergency condition-related data between user such as handicapped person, sick person and aged person, and medical institution/health care **center** using portable sensor with wrist watch-type **mobile telephone**, video telephone and global positioning system functions... ...ADVANTAGE - The abnormality condition is easily detected and the corresponding report is automatically **transmitted** to **health care center**, thereby realizing effective management of the **health condition** of **user**. ... ...14health **care** center

Dialog eLink: Order File History
9/3,K/43 (Item 17 from file: 350)
DIALOG(R)File 350: Derwent WPIX

0012502953 *Drawing available*
WPI Acc no: 2002-450825/200248
XRPX Acc No: N2002-355737

Medical care support system stores information about registered person requiring medical treatment and various medical institutions in respective databases
Patent Assignee: TOSHIBA ENG KK (TOSB)
Inventor: SATO M

Patent Family (1 patents, 1 countries)							
Patent Number	**Kind**	**Date**	**Application Number**	**Kind**	**Date**	**Update**	**Type**
JP 2002132947	A	20020510	JP 2000319122	A	20001019	200248	B

Priority Applications (no., kind, date): JP 2000319122 A 20001019

Patent Details					
Patent Number	**Kind**	**Lan**	**Pgs**	**Draw**	**Filing Notes**
JP 2002132947	A	JA	5	1	

Alerting Abstract ...The terminal of the person requiring treatment is connected to a medical care support center (12) through internet (13). The reply corresponding to the information **transmitted** from the terminal is sent from the **center** through internet.

Dialog eLink: Order File History
9/3,K/32 (Item 6 from file: 350)
DIALOG(R)File 350: Derwent WPIX

0014104512 *Drawing available*
WPI Acc no: 2004-288758/200427
XRPX Acc No: N2004-229305
Status information notification system for health-care of elderly person, analyzes status information received through relay transmission apparatus for producing log status information, and stores it in control center
Patent Assignee: OINUMA SHOJI KK (OINU-N)
Inventor: SATO K

Patent Family (1 patents, 1 countries)							
Patent Number	**Kind**	**Date**	**Application Number**	**Kind**	**Date**	**Update**	**Type**
JP 2004086817	A	20040318	JP 2002250394	A	20020829	200427	B

Priority Applications (no., kind, date): JP 2002250394 A 20020829

Patent Details					
Patent Number	**Kind**	**Lan**	**Pgs**	**Draw**	**Filing Notes**
JP 2004086817	A	JA	14	9	

Status information notification system for health-care of elderly person, analyzes status information received through relay transmission apparatus for producing log status information, and stores it in control center

Dialog eLink: Order File History
9/3,K/17 (Item 17 from file: 347)
DIALOG(R)File 347: JAPIO

07264486 **Image available**
MEDICAL TREATMENT/NURSING CARE SUPPORT SYSTEM

Pub. No.: 2002-132947 [JP 2002132947 A]
Published: May 10, 2002 (20020510)
Inventor: SATO MASAHIKO
Applicant: TOSHIBA ENG CO LTD
Application No.: 2000-319122 [JP 2000319122]
Filed: October 19, 2000 (20001019)

ABSTRACT

PROBLEM TO BE SOLVED: To enable a person in need of medical **care** at home and a person in need of nursing **care** for receiving high-level and appropriate medical treatment and nursing **care** at home, even if the person lives at a remote location.

SOLUTION: In this **medical** treatment/nursing **care** support system, **information** proper to a **person** in need of **medical** treatment at home who is subjected to member registration is stored in a person in need of medical treatment information database 14, information related to a nursing **care** facility is stored in a medical treatment/nursing **care** information database 15, management for the databases is performed by a medical treatment/nursing **care** support center 12, the person 11 at home in need of medical treatment subjected to member registration is connected to the center 12 via the... ...information is broadcasted to the registered person 11 from the center 12 by the BS digital broadcasting 18, and the person 11 who has received **transmission** information from the **center** 12 can send a reply to the center 12.

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Dialog eLink: Order File History
9/3,K/48 (Item 22 from file: 350)

DIALOG(R)File 350: Derwent WPIX

0010216574 *Drawing available*
WPI Acc no: 2000-527567/200048
XRPX Acc No: N2000-390176
Biological information management system for medical care of person, has parent node in user system to transmit biological information sent from child node to remote center system via public communication network
Patent Assignee: TOTO LTD (TTOC)
Inventor: ARIFUKU K; OKANO H; TODOROKI K

Patent Family (2 patents, 1 countries)							
Patent Number	**Kind**	**Date**	**Application Number**	**Kind**	**Date**	**Update**	**Type**
JP 2000175872	A	20000627	JP 1998357994	A	19981216	200048	B
JP 3591348	B2	20041117	JP 1998357994	A	19981216	200475	E

Priority Applications (no., kind, date): JP 1998357994 A 19981216

Patent Details					
Patent Number	**Kind**	**Lan**	**Pgs**	**Draw**	**Filing Notes**
JP 2000175872	A	JA	18	25	
JP 3591348	B2	JA	18		Previously issued patent JP 2000175872

Biological information management system for medical care of person, has parent node in user system to transmit biological information sent from child node to remote center system via public communication network

Dialog eLink: Order File History
9/3,K/40 (Item 14 from file: 350)
DIALOG(R)File 350: Derwent WPIX
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0012885458 *Drawing available*
WPI Acc no: 2002-744882/200281
XRPX Acc No: N2002-586806
Health information management method involves transmitting health information from health care information centers to user based on acquired requisition from user
Patent Assignee: HITACHI LTD (HITA)
Inventor: BAN H; HASHIGUCHI T; MATSUO H; NISHITANI A; TAKEUCHI H

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
JP 2002245177	A	20020830	JP 200140373	A	20010216	200281	B

Priority Applications (no., kind, date): JP 200140373 A 20010216

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
JP 2002245177	A	JA	9	9	

Health information management method involves transmitting health information from health care information centers to user based on acquired requisition from user Alerting Abstract
...NOVELTY - The health information from the measuring device is transmitted to the health care information **center** (100) through set frequency. The **health care** information center **transmits** the **health information** to the **user** in response to the request received from the user.

Dialog eLink: Order File History
9/3,K/45 (Item 19 from file: 350)
DIALOG(R)File 350: Derwent WPIX

0012360695 *Drawing available*
WPI Acc no: 2002-303316/200234
XRPX Acc No: N2002-237304
Individual health care system for on-line health services, analyzes user's health, based on health information received from user and health information database, and analyzed result is indicated to user
Patent Assignee: ENDOU M (ENDO-I); NEC CORP (NIDE)
Inventor: ENDO M; ENDOU M

Patent Family (2 patents, 2 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20020026333	A1	20020228	US 2001929144	A	20010815	200234	B
JP 2002063279	A	20020228	JP 2000251830	A	20000823	200234	E

Priority Applications (no., kind, date): JP 2000251830 A 20000823

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
JP 2002063279	A	JA	6	4	
US 20020026333	A1	EN	11	4	

Original Publication Data by AuthorityArgentina**Publication No.** ...**Original Abstracts:**center terminal also has a health information reception function for receiving the information entered in the diagnostic form. The health care center terminal further has **a** health information **transmission** function for **transmitting the** received information **to** the analytic server. The analytic server has a health information database. The **analytic** server also has a **health** analysis function for **receiving** the transmitted **information**, and analyzing the **user's health** on **the** basis **of** the received **information** and the database. The analytic server further has an analyzed information **transmission** function for transmitting **via** the **health care center** terminal **to the user** terminal the **information analyzed** by the **server. >...Claims:health care system comprising:a user terminal;a network;a health care center terminal connected via the network to the user terminal and able to be accessed from the user terminal; andan analytic server for analyzing health information supplied from the user terminal, the analytic server being connected to the... ... having a diagnostic form display function for displaying on the user terminal a diagnostic form, in which a user can enter predetermined health information;the health care center terminal also having a health information reception function for receiving the health information entered in the diagnostic form;the health care center terminal further having a health information transmission function for transmitting the received health information to the analytic server;the analytic server having a health information database associated with the entered health information;the analytic server also having a health analysis function for receiving the health information transmitted from the user terminal, and analyzing the user's health on the basis of the received health information and the health information database;the analytic server further having an analyzed information transmission function for transmitting via the health care center terminal to the user terminal the information analyzed by the health analysis function.**

?

B. Abstract Databases – NON-PATENT

File 35:Dissertation Abs Online 1861-2010/Aug
(c) 2010 ProQuest Info&Learning
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
(c) 2002 Gale/Cengage
File 65:Inside Conferences 1993-2010/Sep 07
(c) 2010 BLDSC all rts. reserv.
File 2:INSPEC 1898-2010/Aug W5
(c) 2010 The IET
File 474:New York Times Abs 1969-2010/Sep 07
(c) 2010 The New York Times
File 475:Wall Street Journal Abs 1973-2010/Sep 06
(c) 2010 The New York Times
File 99:Wilson Appl. Sci & Tech Abs 1983-2010/Jun
(c) 2010 The HW Wilson Co.
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File 169:Insurance Periodicals 1984-1999/Nov 15
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File 5:Biosis Previews(R) 1926-2010/Aug W5
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File 73:EMBASE 1974-2010/Sep 07
(c) 2010 Elsevier B.V.
File 155:MEDLINE(R) 1950-2010/Sep 03
(c) format only 2010 Dialog
File 34:SciSearch(R) Cited Ref Sci 1990-2010/Aug W5
(c) 2010 The Thomson Corp
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
(c) 2006 The Thomson Corp
File 74:Int.Pharm.Abs 1970-2010/Aug B1
(c) 2010 The Thomson Corporation
File 42:Pharm. News Index 1974-2010/Aug W2
(c) 2010 ProQuest Info&Learning

```
Set     Items   Description
S1     942258   (PERSON?? OR INDIVIDUAL? OR USER? ? OR OCCUPANT? ? OR PASSENGER? ?
OR  DRIVER? ? OR INJUREE? OR VICTIM? ? OR OWNER? ? OR OPERATOR? ?)(4N)( INFORMATION
OR DATA  OR CONDITION? ? OR CONTINGENC??? OR INSTRUCTION? OR HISTOR??? OR RECORDS
OR PAST)
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S2      147054   MEDICAL OR MEDICALERT OR MEDIC()ALERT OR MEDALERT OR MEDICALERT OR
HEALTH OR ALLERG??? OR MEDICATION? ? OR CAREGIVER? ? OR SPECIAL()(NEEDS OR
SENSITIVITIES) OR AFFLICTION?

S3          80   (ENCRYPT? OR CRYPT? OR (PRIVATE OR PUBLIC OR SECRET)(2W)(KEY? ? OR
 PASSCODE? ? OR ENCOD? OR COD?) OR CIPHER? ? OR ENCIPHER OR DECRYPT?)
(S)(EMERGENC??? OR EMT? ? OR AMBULANCE? ? OR CRISIS OR CRISES OR SUDDEN()TRAUMA OR
ACCIDENT? ? OR CRASH???  OR COLLISION? ? OR INCIDENT? ? OR EVENT? ? OR RESPONDER? ?
OR TRIAGE OR 911 OR 9()1()1)

S4       49141   VEHICLE? ? OR AUTOMO? OR CAR? ? OR TRUCK? OR MULTICAR? ? OR BOATING
OR LORRY OR LORRIES OR MOTORCYCLE? OR MOTORBIKE? OR MEANS(2W)OF(2W)(TRANSPORTATION
OR TRANSPORT)

S5         899   (MOBILE? ? OR TRANSMIT? OR TRANSMISSION? OR TELECOM? OR TELEMATIC?
OR HANDHELD? OR HAND()HELD OR PDA? ? OR UPLOAD? OR DEVICE OR KEYDEVICE OR KEY? ? OR
 CELLPHONE? OR PHONE? ? OR DIGITAL(2W)ASSISTANT? OR BLACKBERR? OR TELEPHON? OR
 CELLULAR(2W)DEVICE? ? OR REALTIME OR REAL()TIME OR DYNAMIC? OR SIGNAL? ?)(9N)
(CENTER? ? OR CALLCENTER? OR PHONECENTER? OR RELAY? OR DISPATCHER?)

S6       42476   S1(12N)S2
S7       11635   S6(S)S4
S8         103   S7(S)(S3 OR S5)
S9          80   S8 FROM 347,350
S10         23   S8 NOT S9
S11         16   RD  (unique items)
S12          6   S11 NOT PY>2003
```

12/5,K/5 (Item 1 from file: 73)
DIALOG(R)File 73: EMBASE

0079375936 **EMBASE/MEDLINE No:** 2003079593
Application of new technology in improving pre-hospital treatment of trauma patient

Dimopoulou E.; Vagianos C.; Polydorides N.
Department of Topography, Fac. of Rural/Surveying Engineering, NTU of Athens, GR-157 80 Athens, Greece; Department of Architecture, Polytechnic School, University of Patras, Patras, Greece
Author email: efi@survey.ntua.gr
Corresp. Author/Affil: Dimopoulou E.; Department of Topography, Fac. of Rural/Surveying Engineering, NTU of Athens, GR-157 80 Athens, Greece
Corresp. Author Email: efi@survey.ntua.gr

Archives of Hellenic Medicine (Arch. Hell. Med.) (Greece) July 1, 2002 , 19/4 (345-358)
CODEN: AEIAF **ISSN:** 1105-3992
Document Type: Journal ; Review **Record Type:** Abstract
Language: Greek **Summary language:** English; Greek
Number of References: 53

This article focuses on modern technological advancements that relate to pre-hospital treatment of trauma patient and their possible application in Greece. Response time, along with immediate medical care provided to the trauma victims, which are crucial factors in pre-hospital treatment, have been influenced by the explosion of information technology in recent years. Today, by linking major technological advents such as G-PS location systems and wireless communication tools, it is possible to automatically locate wireless callers and transmit critical crash data to the dispatch centers, in order to share information with the appropriate emergency responders in good time. In addition, by integrating emergency communications with traffic management, the location of the accident can be reported along with real-time descriptions of traffic patterns and speeds, thus providing assistance to trauma patients in a much shorter time. Using the new generation of telematics devices, the information transmitted to the dispatch centers may indicate the force of impact and its principle direction, whether the **passengers** were wearing seatbelts details **information** of the type of **vehicles** involved in the accident and the **medical data** of the **victims** allowing the emergency responders to determine the severity of the injury and the type of help they need to provide. On the spot or inside the ambulance, wireless telemedical devices can offer **real-time** communication to the trauma **center**, reducing response time and saving lives by providing appropriate treatment to the victim as fast as possible. The development of an integrated pre-hospital treatment system linking these modern technologies is primarily a matter of policy initiative. The key is to develop successful and coordinated partnerships between the various medical sectors and the agencies involved (ambulances, dispatch centers, police departments and trauma centers), in order to share infrastructure, reliable information, education and skills.

Medical Descriptors:
* injury
accident prevention; ambulance; device; education; emergency health service ; emergency medicine; emergency treatment; health care delivery; information; injury scale; interpersonal communication; medical care; patient care; patient transport; police; response time; review; skill; technology; telecommunication; treatment planning
SECTION HEADINGS:
Public Health, Social Medicine and Epidemiology
Orthopedic Surgery
Health Policy, Economics and Management

...the new generation of telematics devices, the information transmitted to the dispatch centers may indicate the force of impact and its principle direction, whether the **passengers** were wearing seatbelts details **information** of the type of **vehicles** involved in the accident and the **medical data** of the **victims** allowing the emergency responders to determine the severity of the injury and the type of help they need to provide. On the spot or inside the ambulance, wireless telemedical devices can offer **real-time** communication to the trauma **center**, reducing response time and saving lives by providing appropriate treatment to the victim as fast as possible. The development of an integrated pre-hospital treatment...

12/5,K/4 (Item 1 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)

17333945 **Biosis No.:** 200300302664
Method of providing a home health care service and system for providing a home health care service

Author: Ito Narushi (Reprint); Ohashi Akio
Author Address: Tokyo, Japan**Japan
Journal: Official Gazette of the United States Patent and Trademark Office Patents 1271 (1): June 3, 2003 2003
Medium: e-file
Patent Number: US 6572564 **Patent Date Granted:** June 03, 2003 20030603 **Patent Classification:** 600-573 **Patent Assignee:** NEC Corporation, Tokyo, Japan **Patent Country:** USA
ISSN: 0098-1133 _(ISSN print)
Document Type: Patent
Record Type: Abstract
Language: English

Abstract: A system for providing a home health care service includes a health care center, a service recipient device, and the Internet that connects these components. The **health care** center: is constructed on the Internet; includes a database for registering **personal data** that are necessary for the **health care** of registered at-home patients as basic health **care** data and storing measurement data that are provided from at-home patients over the course of time; and has the functions of inferring the health conditions of at-home patients based on the measurement data as well as the basic health **care** data and offering services necessary for health **care** or services appropriate for inferred health conditions, to at-home patients. The service recipient device includes a biosensor and a signal processor. The biosensor detects chemical components contained in a substance that is discharged from the human body and converts detected values to electrical signals at the point of discharge. The signal processor performs processing of the output of the biosensor to automatically generate measurement data and **transmits** the measurement data to the health **care center** by way of the Internet. Chosen Drawing: FIG. 5

DESCRIPTORS:
Major Concepts: Equipment Apparatus Devices and Instruments; Human Medicine--Medical Sciences; Methods and Techniques
Methods & Equipment: home health care service system--medical equipment; home health care service providing method--clinical techniques
Concept Codes:
12502 Pathology - General

Abstract: ...system for providing a home health care service includes a health care center, a service recipient device, and the Internet that connects these components. The **health care** center: is constructed on the Internet; includes a database for registering **personal data** that are necessary for the **health care**

of registered at-home patients as basic health **care** data and storing measurement data that are provided from at-home patients over the course of time; and has the functions of inferring the health conditions of at-home patients based on the measurement data as well as the basic health **care** data and offering services necessary for health **care** or services appropriate for inferred health conditions, to at-home patients. The service recipient device includes a biosensor and a signal processor. The biosensor detects ... ...to electrical signals at the point of discharge. The signal processor performs processing of the output of the biosensor to automatically generate measurement data and **transmits** the measurement data to the health **care center** by way of the Internet. Chosen Drawing: FIG. 5

12/5,K/2 (Item 2 from file: 2)
DIALOG(R)File 2: INSPEC

08055190
Title: Tele-modules and services for establishing a telematic homecare and ambulatory care platform for patients and the elderly
Author(s): Meyer, J.[1]; Schafer, M.[1]; Koch, M.[1]; Cleer, C.[1]; Kiefer, S.[1]
Affiliation(s):
[1] Fraunhofer-Inst. fur Biomed. Technik, St. Ingbert, Germany
Book Title: Proceedings. MICRO.tec 2000. VDE World Microtechnologies Congress
Inclusive Page Numbers: 233-5 vol.1
Publisher: VDE Verlag, Berlin
Country of Publication: Germany
Publication Date: 2000
Conference Title: Proceedings of International Conference on Microtechnologies: MICRO.tec 2000
Conference Date: 25-27 Sept. 2000
Conference Location: Hannover, Germany
Conference Sponsor: EUREL DECHEMA DVMT IEEE IEE SID VDI/VDE-IT ZVEI
ISBN: 3-8007-2579-7
Medium: Also available on CD-ROM in PDF format
Part: vol.1
Number of Pages: 2 vol.(xv+605+xix+847)
Language: English
Document Type: Conference Paper (PA)
Treatment: Application (A); Practical (P)
Abstract: A telematic homecare and ambulatory **care** platform has been established including modules for monitoring vital parameters, video, therapy control and mailing of data. The patient platform is integrated into a telecommunication network of **care** providers controlled by a communication server. A unique device monitoring architecture has been implemented that comprises virtual device drivers operating on channels, remote monitoring by sending data periodically or on demand and online monitoring through a designated **data** channel. A **personal health** record has been implemented that

was adopted from standards (GEHR, BDT, HL7) and is described in XML notation. Storage and handling of patient data is secured using **encryption** schemes and controlled access to the personal health record. A field trial has been set up to explore the concept that a postclinical telematic healthcare network will improve the long-term health outcome for stroke patients. Major efforts have been directed towards the organization of healthcare services in a highly regulated public health framework. Insurers, the local ethics committee, national ministries, and patient interest groups are involved in the field trial. The initial field trial will include stroke patients that are in high risk of repeated cerebral **incidents**. The preparation phase of the field trial has shown that prior to the implementation of innovative telematic homecare technologies it is important to demonstrate the potential of quality improvement and cost effectiveness and to involve insurers as early as possible. (*0 refs.*)

Subfile(s): A (Physics); B (Electrical & Electronic Engineering); C (Computing & Control Engineering)

Descriptors: geriatrics; patient care; patient monitoring; telemedicine

Identifiers: telematic homecare; ambulatory care platform; elderly; vital parameters; therapy control; patient platform; telecommunication network; care providers; communication server; device monitoring architecture; virtual device drivers; remote monitoring; online monitoring; personal health record; GEHR; BDT; HL7; XML; encryption schemes; postclinical telematic healthcare network; long-term health outcome; stroke patients; public health framework; cerebral incidents

Classification Codes: A8770G (Patient care and treatment); B7550 (Biomedical communication); B7520 (Patient care and treatment); C7330 (Biology and medical computing)

International Patent Classification:

G06F-0019/00 (Digital computing or data processing equipment or methods, specially adapted for specific applications)

INSPEC Update Issue: 2001-039

Abstract: A telematic homecare and ambulatory **care** platform has been established including modules for monitoring vital parameters, video, therapy control and mailing of data. The patient platform is integrated into a telecommunication network of **care** providers controlled by a communication server. A unique device monitoring architecture has been implemented that comprises virtual device drivers operating on channels, remote monitoring by sending data periodically or on demand and online monitoring through a designated **data** channel. A **personal health** record has been implemented that was adopted from standards (GEHR, BDT, HL7) and is described in XML notation. Storage and handling of patient data is secured using **encryption** schemes and controlled access to the personal health record. A field trial has been set up to explore the concept that a postclinical telematic healthcare... ...patient interest groups are involved in the field trial. The initial field trial will include stroke patients that are in high risk of repeated cerebral **incidents**. The preparation phase of the field trial has shown that prior to the implementation of innovative telematic homecare technologies it is important to demonstrate the...

12/5,K/1 (Item 1 from file: 2)
DIALOG(R)File 2: INSPEC

08957090
Title: Home health care support system
Author(s): Imai, H.[1]; Kanazawa, K.[1]; Nomura, H.[1]; Imanaka, Y.[1]; Nagamoto, S.; Kaneko, K.; Ikeda, T.; Iwano, K.; Miyazaki, J.; Honma, S.
Affiliation(s):
[1] Kurashi Solution Dev. Center, Matsushita Home Appliances Co., Japan
Journal: Matsushita Technical Journal , pp.62-6
Publisher: Matsushita Electric Industrial Co.
Country of Publication: Japan
Publication Date: Aug. 2003
ISSN: 1343-9529
ISSN Type: print
CODEN: NTROAV
Language: Japanese
Document Type: Journal Paper (JP)
Treatment: Practical (P); Experimental (X)
Abstract: We have developed this system in response to the aging of society, aiming at early detection of lifestyle-induced diseases, and at their prevention by improving the quality of life. Our commercial system links a medical institution to a patient's home via a network to enable health **care** support at home. This system consists of a "digital health monitor" installed at home, the **center**'s server at a data center, and a terminal in a **medical** institution. Home **users transmit health**-related **information** to the **center**'s server, where **health care** staff can check their **health** status and offer advice. The results of our experiments show a marked improvement in both users' awareness of health **care** and efficiency of medical treatment. (*2 refs.*)
Subfile(s): B (Electrical & Electronic Engineering)
Descriptors: biomedical telemetry; geriatrics; health care
Identifiers: home health care support system; society aging; disease early detection; lifestyle-induced disease; medical institution; digital health monitor; center server; health-related information
Classification Codes: B7550 (Biomedical communication); B6210J (Telemetry)
International Patent Classification:
H04Q-0009/00 (Arrangements in telecontrol or telemetry systems for selectively calling a substation from a main station, in which substation desired apparatus is selected for applying a control signal thereto or for obtaining measured values therefrom)
INSPEC Update Issue: 2004-019

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V. Additional Resources Searched

No additional results of relevance found in the additional databases identified in the coverpage correspondence.